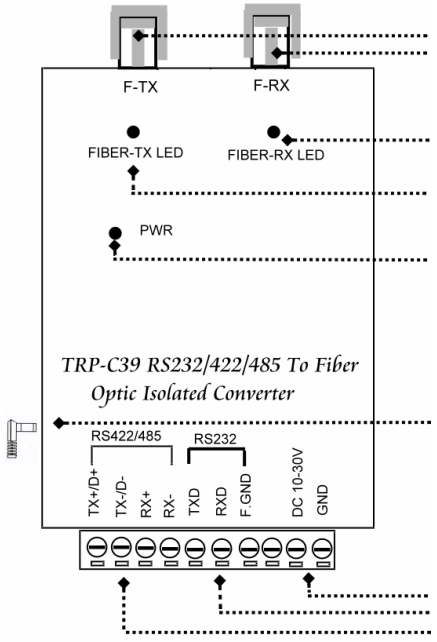
Introductions

The TRP-C39 fiber converter allows RS232/422/485 signals to be converted to fiber optic and extend the distance up to 2KM over multi-mode. The converter is equipped with multiple interface circuit such as RS232, RS422,RS485 (2 or 4 wires). By using fiber optic transmission technology It secures data transmission at speeds up to 115.2kbps, half/full duplex, bi-directional , stable and error free transmission. This is recommended over longer cable runs or where the atmospheric discharges may occur between host and client devices. With din rail or panel mount options TRP-C39 enable you a fast and professional installation.

Specifications

- ST (multi-mode) fiber port.
- Support the fiber cable :62.5/125um.
- Wavelength :850nm.
- Minimum 3000V DC isolation protection .
- Transient suppression on RS-485 data line.
- Auto direction flow control on RS485 side.
- Accept industrial standard +24V DC Unregulated power.
- Auto switching the RS232/422 and RS485 signal.
- PWR/Fiber-TX/Fiber-RX mode LED indicators.
- Power requirement: +10V to +30V.
- Support external standard DC jack power adapter input.
- Two wire RS485 operation with automatic turnaround or four wires RS422 full duplex.
- Distance: RS422/485 up to 4000ft. (1250 meters)
- Format: Asynchronous data with any combination of bits, parity, stop.
- Operating Temperature: -20℃-65℃.
- Humidity: 10-90% non-condensing.
- Power: Under 1.8 Watt
- Size: 74mm (W) X 111mm(L) X 26mm(H)

Pin Assignment



St Fiber TX connector
St Fiber RX connector

Fiber RX LED Indicated

Fiber TX LED Indicated

System Power Indicated

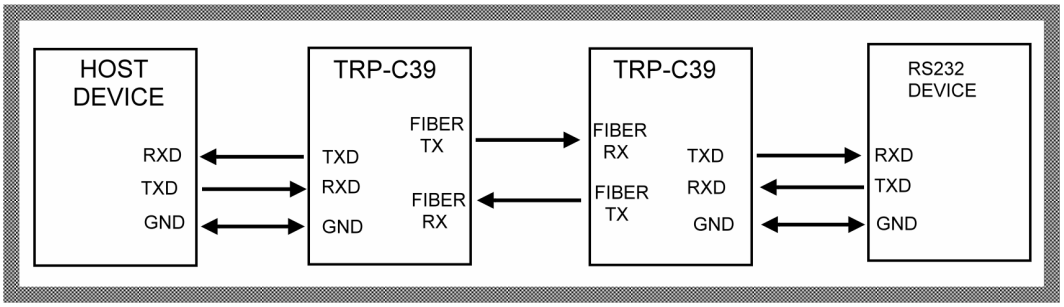
EXT. DC Jack input from DC +10V to +30V
DC Jack Input from +10V to +30V. (Pleas use the 5.5*2.1mm DC JACK connector)

Warning:Don't connect external DC-Jack and screw terminal DC input together.

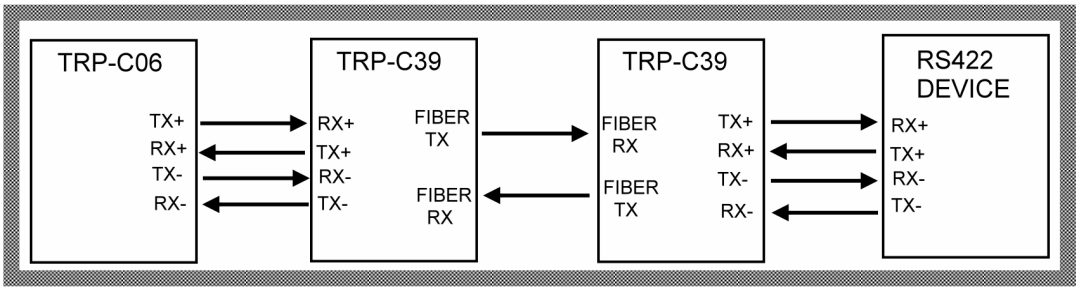
Screw DC Power Input from DC +10V to +30V
RS232 Connector
RS422/485 Converter

Connectors and Cable

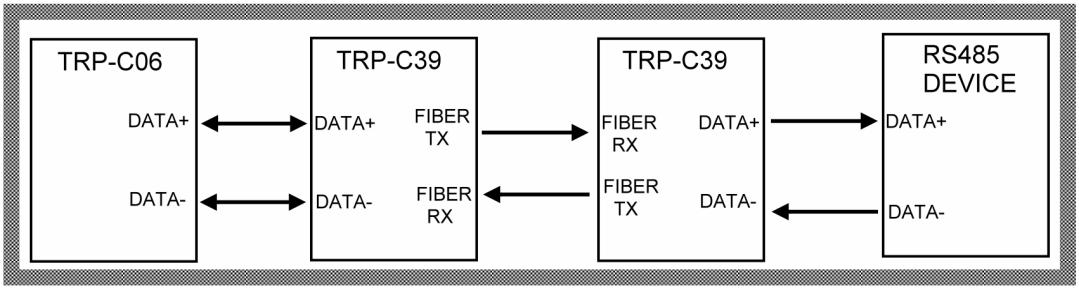
The RS232 Pin Wiring



The RS422 Pin Wiring

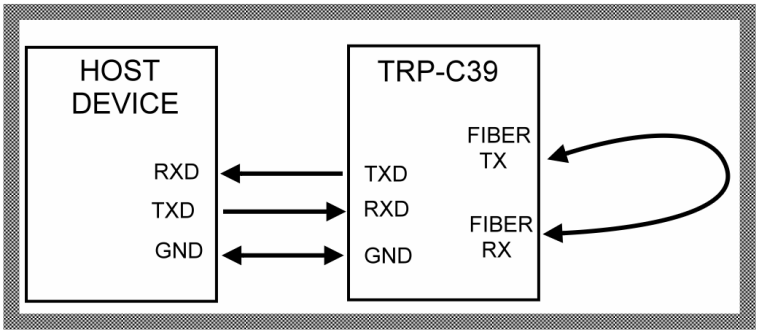


The RS485 Pin Wiring



PS.TRP-C06 RS232 to RS422/485 Isolated Converter.

The Loop Self Test Pin Wiring



MS-DOS test utility: Test232.exe

Windows test utility: Demo. exe